

ABSTRACT

A micro-controller includes a USB control unit, an MC unit having an operation mode and a stop mode and an oscillating circuit, which is commonly used by the USB control unit and the MC unit. The USB control unit includes a watching circuit for watching a condition of a first data and a second data, which is complement data of the first data. The operation of the oscillating circuit is controlled in response to an operation control signal, which is generated by a watching result, and an oscillation control signal whose voltage level is changed in response to the mode of the MC unit.